



(11) Publication number : **0 606 738 A3**

(12)

## EUROPEAN PATENT APPLICATION

(21) Application number : **93310010.9**

(51) Int. Cl.<sup>5</sup> : **G11B 15/44, G11B 15/665**

(22) Date of filing : **13.12.93**

(30) Priority : **11.12.92 KR 9223944**  
**11.12.92 KR 9223945**  
**26.02.93 KR 932765**

(43) Date of publication of application :  
**20.07.94 Bulletin 94/29**

(84) Designated Contracting States :  
**DE ES FR GB**

(88) Date of deferred publication of search report :  
**17.11.94 Bulletin 94/46**

(71) Applicant : **SAMSUNG ELECTRONICS CO., LTD.**  
**416 Maetan-3 Dong,**  
**Paldal-ku**  
**Suwon-city, Kyungki-do 441-373 (KR)**

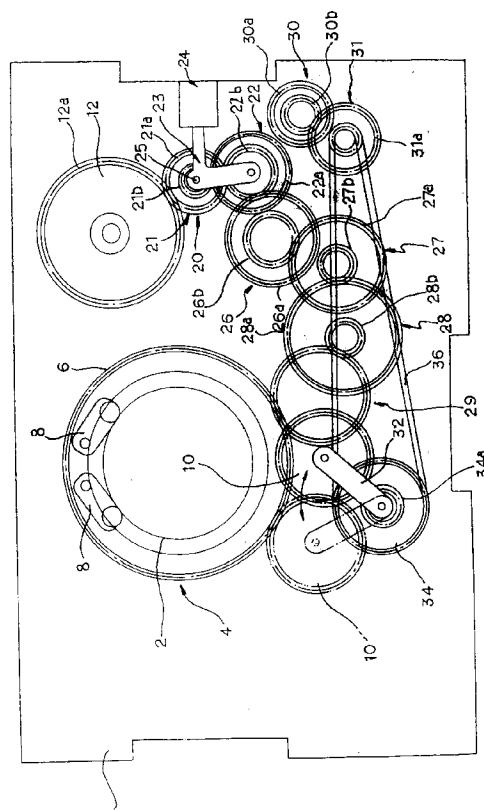
(72) Inventor : **Park, Gun Choon**  
**207-47, Maetan 2-dong,**  
**Paldal-gu**  
**Suwon-city, Kyougki-do (KR)**  
 Inventor : **Choi, Do Young**  
**138-203, Chonchon Apt.,**  
**Choncho-dong,**  
**Changan-gu**  
**Suwon-city, Kyungki-do (KR)**  
 Inventor : **Masaharu, Ohashi**  
**416, Maetan-dong,**  
**Paldal-gu**  
**Suwon-city, Kyungki-do (KR)**  
 Inventor : **Seo, Jae Kab**  
**20/4, 170-1, Chi-dong,**  
**Changan-gu**  
**Suwon-city, Kyungki-do (KR)**

(74) Representative : **Stanley, David William et al**  
**APPLEYARD LEES**  
**15 Clare Road**  
**Halifax West Yorkshire HX1 2HY (GB)**

(54) **Power transmitting devices for tape recorders.**

(57) A power transmitting device for a tape recorder capable of easily transmitting power to a tape loading unit or a tape transport unit includes a loading system driving gear 4 for transmitting power to the tape loading unit to transmit a tape toward a drum, and a reel-system driving gear 10 for driving reel tables to transport the tape, in which gears 26-34 are selectively driven to receive the power of a capstan motor 12 via transmission and rotating gears 21, 22 operated by a magnetic force and a spring to effectively drive the tape loading unit or the tape transport unit. By selectively driving the tape loading unit and tape transport unit with the power of the capstan motor 12, it is unnecessary to provide an additional loading motor, thereby saving size, weight and cost, and facilitating miniaturisation of a tape recorder.

FIG.1





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 93 31 0010

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                                       |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim                                     | CLASSIFICATION OF THE APPLICATION (Int.Cl.5) |
| X<br>A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EP-A-0 192 448 (MATSUSHITA ELECTRIC IND.)<br>* the whole document *<br>---    | 11<br>1                                               | G11B15/44<br>G11B15/665                      |
| X<br>A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EP-A-0 045 328 (EFUTI GIKEN)<br>* the whole document *<br>---                 | 11<br>1                                               |                                              |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DE-A-31 26 012 (HITACHI LTD)<br>* the whole document *<br>---                 | 1,6                                                   |                                              |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GB-A-2 094 542 (TOKYO SHIBAURA DENKI)<br>* abstract *<br>-----                | 1,11                                                  |                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |                                                       | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.5)      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |                                                       | G11B                                         |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                               |                                                       |                                              |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                               | Date of completion of the search<br>26 September 1994 | Examiner<br>Sozzi, R                         |
| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>I : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>-----<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                               |                                                       |                                              |

EPO FORM 1503 03.82 (POMC01)